



**XONIX**

**XVS**

**Traffic solution**

# What is the xVS?

**Small & Scalable**

**Modular**

- Cameras
- Sensors
- Comms
- Back office and databases
- IP rated
- Connectors
- Drones

**Vision System**

- Not just a data gatherer

**Power efficient Artificial Intelligence**

**Extremely fast image processing either in real-time or offline**

- Analytics at the source

**Latest in GPU technology**

**Full automation of processes**

**Configurable driven system**

- Rules



# What does it do?

- Video analytics
- ANPR
- Facial recognition
- Tracking
- Detection
- Classification
- Segmentation

# AI at the Edge vs Cloud

## Edge

- Compact
- Less load on data centres
- Video analytics at the source
- Mission Critical
- Autonomy
- No need for connectivity to IoT
- Secure – Less data being passed around

## Cloud

- Longer latencies due to larger infrastructures needed – Slower
- Communication infrastructure needed
- Not analysing data at the source
- Less secure – Hackable
- Can handle more data





# SAFETY

The xVS offers  
**MISSION  
CRITICAL  
AUTONOMY**

- Static vehicle detection
- Detection of people/objects on the highway
- Identify tailgaters
- Vehicle behaviour prediction
- Monitoring work zones
- Detecting out of place cones
- Mobile phone detection
- Road inspections
- Bridge inspections

# Other uses....

## Congestion

- Monitor Traffic levels
- Direction of travel
- Speed of travel
- Vehicles using the wrong lane

## Pollution

- Monitor pollution levels in cities
- Detect high emission vehicles in low emission areas

## Cost

- Firmware based updates
- Can integrate into current systems
- Completely bespoke
- Many uses from one product



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